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PTO/SB/08A (10-96)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

## Complete if Known

Application Number 09/966,158  
Filing Date 09/28/2001  
First Named Inventor Yuichi Iikubo  
Group Art Unit 1764  
Examiner Name  
Attorney Docket Number GRLK-003

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	2,005,706		H. W. Daudt et al.	06/18/1935	
	2	2,005,707		H. W. Daudt et al.	06/18/1935	
	3	2,576,823		A. F. Benning et al.	11/27/1951	
	4	2,697,124		R. M. Mantell et al.	12/14/1954	
	5	2,900,423		L. B. Smith et al.	08/18/1959	
	6	2,942,036		L. B. Smith et al.	06/21/1960	
	7	3,258,500		F. W. Swamer et al.	06/28/1966	
	8	3,436,430		L. E. Hall et al.	04/01/1969	
	9	3,636,173		L. E. Gardner	01/18/1972	
	10	3,803,241		I. Stolkin et al.	04/09/1974	
	11	4,158,023		von Halasz	06/12/1979	
	12	5,043,491		Webster et al.	08/27/1991	
	13	5,057,634		Webster et al.	10/15/1991	
	14	5,068,472		Webster et al.	11/26/1991	
	15	5,068,473		Kellner et al.	11/26/1991	
	16	5,146,018		Kellner et al.	09/08/1992	
	17	5,171,901		Gassen et al.	12/15/1992	
	18	5,177,273		Bruhnke et al.	01/05/1993	
	19	5,220,083		Webster et al.	06/15/1993	
	20	5,268,343		Hopp et al.	12/07/1993	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	1	CA	1,162,511		von Halasz	05/02/1991		
	2	CA	2,081,813		Hopp	10/30/1992		
	3	EP	0 349 115 A1		E.I. DuPont De	01/03/1990		
	4	EP	0 434 407 A1		E.I. DuPont De	06/26/1991		
	5	EP	0 442 075 B1		Chemical Abstracts	08/11/1993		
	6	EP	0 539 989 A1		Hoechst Aktienges	05/05/1993		
	7	wo	WO 91/05752		E.I. DuPont De	05/02/1991		
	8	wo	WO 96/17813		E.I. DuPont De	06/13/1996		
	9	wo	WO 98/50327		Imperial Chemical	11/12/1998		
	10	wo	WO 99/26907		Imperial Chemical	06/03/1999		

Examiner Signature

*[Signature]*

Date Considered

8/3/04

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

**Complete if Known**

Application Number	09/966,158
Filing Date	09/28/2001
First Named Inventor	Yuichi Iikubo
Group Art Unit	1764
Examiner Name	
Attorney Docket Number	GRI K-003

## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS							
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
JS	11	WO	WO 99/62851		E.I. DuPont De	12/19/1999	
	12	UK	428,361		Kinetic Chemicals	09/20/1930	
	13	UK	428,445		Kinetic Chemicals	05/07/1935	
	14	UK	468,447		F. Davison et al.	08/05/1937	
	15	UK	790,335		Dow Chemical	02/05/1958	
	16	UK	1,077,932		Howe et al.	08/21/1967	
	17	UK	1,359,023		Imperial Chemical	07/03/1974	
	18	UK	1,578,933		Imperial Chemical	11/12/1980	

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet: 3 of 3

## **Complete if Known**

Application Number 09/966,158  
Filing Date 09/28/2001  
First Named Inventor Yuichi Iikubo  
Group Art Unit 1764  
Examiner Name  
Attorney Docket Number GRLK-003

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
28	1	HERBERT O. HOUSE, "CATALYTIC HYDROGENATION AND DEHYDROGENATION," MODERN SYNTHETIC REACTIONS, 2nd ed., THE BENJAMIN/CUMMINGS PUBLISHINGS COMPANY (Menlo Park, CA), p. 1/2, 1987	
	2	DMITRII D. MOLDAVSKII, "TECHNOLOGY FOR THE PREPARATION OF PERFLUORO-ORGANIC COMPOUNDS," Journal of Fluorine Chemistry, Elsevier Science S.A. (Netherlands), Vol. 94 ( No. 2), p. 157-167, ( February 5, 1999).	
	3	J. KVICALA ET AL., "Preparation of Perhalogenated Chlorofluoropropanes by Halogen Exchange in the Liquid and Vapour Phases and Their Isomer Analyses by 19F NMR Spectroscopy," Journal of Fluorine Chemistry, Elsevier Sequoia (Netherlands), p. 155-175, ( February 5, 1989).	
	4	F. J. METTILLE ET AL., "Methods for the Introductions of Hydrogen into Fluorinated Compounds," Fluorine Chemistry Reviews, 1st ed., Vol. 1 ( No. 2), p. 315-358, ( February 5, 1967).	
	5	DR. MARK D. CISNEROS ET AL., "An Integrated Approach to Achieve Low Environmental Impact in the Speical Hazards Fire Suppression Industry," Great Lakes Chemical Corporation (West Lafayette, Indiana), p. 1-8, 1993	
	6	VIACHESLAV A. PETROV ET AL., "Isomerization of Halopolyfluoroalkanes by the Action of Aluminum Chlorofluoride," Journal of Fluorine Chemistry, Elsevier Science S.A. (Netherlands), p. 125-130, ( February 5, 1998).	
	7	B. P. AGGARWAL ET AL., "Chlorination of Propane and Propylene and Pyrolysis of Perchloropropane," Petroleum & Hydrocarbons, Vol. 3 ( No. 2), p. 69-72, ( July 5, 1968).	
	8	ALBERT L. HENNE ET AL., "Fluorinated Derivatives of Propane and Propylene," p. 496-497, ( March 5, 1946).	
	9	KIRK-OTHMER, "Encyclopedia of Chemical Technology," Cataysis, 3rd ed., John Wiley & Sones (New York), p. 16-18, 1990	
28	10	MILOS HUDLICKY, "Chemistry of Organic Fluorine Compounds," A Laboratory Manual with Comprehensive Literature Coverage, 2nd ed., Ellis Horwood (New York), p. 170-179, ( February 8, 1992).	

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8/3/04

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Form 100 <b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>		ATTY. DOCKET NO. PC3-010		SERIAL NO. 09/966,158		
<b>LIST OF ART CITED BY APPLICANT</b> (Use several sheets if necessary)				APPLICANT Yuichi Iikubo, et al.		
				FILING DATE 9/28/2001		
				GROUP 1621		
U.S. PATENT DOCUMENTS						
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA AB AC AD AE AF AG AH	2,494,064	01/50	Simons, et al.			
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Subclass	Translation
						Yes No
AM						
AN						
AO						
AP						
AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)						
AR						
AS						
AT						
EXAMINER			DATE CONSIDERED			
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-010		SERIAL NO. 09/06,158	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yoshi Ikubo, et al.			
				FILING DATE 8/24/2001		GROUP 1621	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Jef	AA	6281,295	8/28/2001	Nappa et al.			
	AB	6376,127	4/23/2002	Rao et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM						
	AN						
	AO						
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Periodical Pages, Etc.)							
	AR						
	AS						
	AT						
EXAMINER		Jef O. [Signature]		DATE CONSIDERED 8/3/04			
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yoshi Kikubo, et al.		FILING DATE 9/28/2001	
				GROUP 1621			
U.S. PATENT DOCUMENTS							
*Examiner (Initial)		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
928	AA	2,494,064	1/10/1950	Simons et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
928	AM	902,990	8/1/1962	UK			
928	AN	EP 0 539 489 B1	6/18/1997	EPO			
928	AO	99/51553	10/14/1999	PCT			
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	"Technology of Fluoropolymers" Dobryn; CRC Press; Vol. 78-79; pp. 8-11, and 18-19.					
	AS						
	AT						
EXAMINER		DATE CONSIDERED					
Sh. O. Kim		8/3/04					
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